

## Curriculum Vitae

### *Personal Information*

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| <b>Name</b>           | Duha Awad Hamed Elneel Elmobarak   |
| <b>Gender</b>         | Female   |
| <b>Nationality</b>    | Sudanese   |
| <b>Date Of Birth</b>  | 01/08/1976   |
| <b>Place Of Birth</b> | Almanagil  |
| <b>Marital Status</b> | Unmarried  |
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### *Qualifications*

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| <b>Educational<br/>Details</b>         | <ul style="list-style-type: none"><li>• 2004-2006 MSc Computer Science-Real Time Software Engineering, Center for Advanced Software Engineering (CASE), University Technology Malaysia (UTM), Malaysia.</li><li>• 1995-1999 BSc (honor) Computer and Information System, Sudan University of Science &amp; Technology, Sudan.</li></ul>   |
| <b>Training &amp;<br/>Certificates</b> | <ul style="list-style-type: none"><li>• OCP developer course using Oracle 8i and developer 6i (SQL Star International- Pune, India) 2002.</li><li>• Oracle 8i SQL, PL/SQL &amp; Oracle 8i DBA(SQL Star International- Pune, India) 2003.</li><li>• First Work Shop about Statistical Database for Arab Universities, October 2002 Jordan, Supported By United Nation Development Program (UNDP).</li><li>• Second Work Shop about Statistical Database for Arab Universities, May 2004 Jordan, Supported By United Nation Development Program (UNDP).</li></ul> |

### *Working Experience*

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| <b>2002 Till Now</b> | <p>Software Developer, Computer Center, Sudan University</p> <ul style="list-style-type: none"><li>• I was a member of the team who developed University Student Registration System (USRS). This system development went through analysis, design, implementation and testing. The system is completed and deployed at Sudan University. As a member of the team I was involved in all stages of the system development and its life cycle. The USRS was developed using Oracle 8i at the server side and Oracle developer 6i at the client side.</li><li>• During my MSc. study practical I have produced a set of</li></ul> |
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| <p>1999 - 2000</p> <p>1999 - 2001</p> <p>2000_2001</p> | <p>Software Engineering Documents. During that period I Reversed Engineered the iNetLink System from its source. The reverse engineering process was to document, find development methodology, and fix some maintenance issues of the iNetLink. The produced documents were System Requirement Specification (SRS), and System Design Description (SDD).</p> <p>Teaching Assistant School Mathematical Science &amp; Statistics &amp; Computer, Alneelain University.</p> <p>Teaching Assistant College Of Engineering, Sudan University of Science &amp; Technology.</p> <p>Teaching Assistant College Of Science &amp; Technology.</p>   |
| <p><i>Aditonal Skills</i></p>                          |   |
| <p>Object-Oriented Development (OOD)</p>               | <p>I was a member of a team developed a solution of On-Board Automobile (OBA) Cruise System. The team developed this system using OOD using Department of Defense standard (DoD-2167A). All Designs and Implementation of the system is carried using the OOD methodology.</p>  |
| <p>Databases Development and Administration</p>        | <p>Relational Database Management System is one of my favorite Developing areas. I enjoy analyzing, designing and normalizing the relational databases management system (RDBMS). The most recent used RDBMS is Oracle 8i and 9i.</p>   |
| <p>Development Tools and Programming Languages</p>     | <p>I used Rational Rose 2003 to develop OOD. The Rational helps to reduce the design and provide around 50% of the software skeleton. In addition I am familiar with Microsoft Visio 2000 to produce required RDBMS tables. My programming languages skills include C++ and Java to implement the produced OOD.</p>   |
| <p>Software Forward and Revere-Engineering</p>         | <p>All software required maintenance after the development took place. Many software do not have the correct documentation, such as System Requirement Specification (SRS), System Design Description (SDD), and another documents. Many users get friendly using a software, and after while they discover mistakes or achieve the performance bottle nick. Many organization data are in use for many years and building another software will become a nightmare. Therefore the company require to fix the problems, but there is no documentation to help the maintainers. This is the point where the system required reverse engineering to fix the problems. It also introduce new feathers without changing the interface and improve the performance. My experience involved reverse engineering of the iNetLink System of HeiTech Padu Berhad, Malaysia. The experience was for 5 months of work to</p> |

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| <p><b>Standards</b></p> <p><b>Quality Assurance (QA)</b></p>  | <p>improve performance, fix raised problems and introduce the new user required features. The work involved produce SRS, SDD of the system. The development was in MS-SQL Server database and ASP.NET as interface to the system.</p> <p>I am very familiar with the Department of Defense standard (DoD-2167A). I am also familiar with the IEEE standard to develop software. I believe in using specific standard or procedure to develop software.</p> <p>I am interested in the QA to ensure matching the solution to deliver the correct requirements. I can ensure the correct use of the QA for the analysis to capture the user requirements, design to ensure correct requirement transformation, the implementation to ensure the correct using of the coding and programming language.</p> |
| <p><i>References</i></p>  |  |
| <p>Prof. Dr. Izzeldin Mohamed Osman, Sudan University of Science &amp; Technology<br/> Prof. Dr Norbik Bashah Idris ,University Technology Malaysia<br/> Dr. Osama A. Rayis ,Sudan University of Science &amp; Technology<br/> Dr. Yahia Abdallah Moahmed, Sudan University of Science &amp; Technology</p> |  |